RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____ 10/538,038 B _____

Source: _____ JFWO _____

Date Processed by STIC: _____ 08/08/2006 _____

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/538, 038 13_   CRF Edit Date: _08/16/2006_

Edited by: _DA_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

__/__ Other: _Inserted Mandatory Numeric_

Identifier (220).

Revised 09/09/2003

IFWO

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  1 <110> APPLICANT: Givaudan SA
  2 <120> TITLE OF INVENTION: G-Proteins
  3 <130> FILE REFERENCE: 30069PCT
C-->  4 <140> CURRENT APPLICATION NUMBER: US/10/538,038B
  5 <141> CURRENT FILING DATE: 2005-06-08
  6 <150> PRIOR APPLICATION NUMBER: US 60/434,790
  7 <151> PRIOR FILING DATE: 2002-12-18
  8 <160> NUMBER OF SEQ ID NOS: 2
  9 <170> SOFTWARE: Patentln version 3.1
 11 <210> SEQ ID NO: 1
 12 <211> LENGTH: 1122
 13 <212> TYPE: DNA
 14 <213> ORGANISM: Homo sapiens
 15 <220> FEATURE:
 16 <221> NAME/KEY: CDS
 17 <222> LOCATION: (1)..(1122)
 18 <400> SEQUENCE: 1
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 21      ggggagctga agctgctgct tttgggccca ggcgagagcg ggaagagcac cttcatcaag   180
 22      cagatgcgga tcatccacgg cgccggctac tcggaggagg agcgcaaggg cttccggccc   240
 23      ctggtctacc agaacatctt cgtgtccatg cgggccatga tcgaggccat ggagcggctg   300
 24      cagattccat tcagcaggcc cgagagcaag caccacgcta gcctggtcat gagccaggac   360
 25      ccctataaag tgaccacgtt tgagaagcgc tacgctgcgg ccatgcagtg gctgtggagg   420
 26      gatgccggca tccgggcctg ctatgagcgt cggcgggaat tccacctgct cgattcagcc   480
 27      gtgtactacc tgtcccacct ggagcgcatc accgaggagg ctacgtccc acagctcag    540
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 29      aaaaccaacc tgcggatcgt ggacgtcggg ggccagaagt cagagcgtaa gaaatggatc   660
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 31      tgcctggagg agaacaacca ggagaaccgc atgaaggaga gcctcgcatt gtttgggact   780
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 36      tctcacatga cctgcgctac tgacacacaa aacgtcaaat tcgtgtttga tgccgtgaca  1080
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 40 <211> LENGTH: 374
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 2
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 45       1               5                  10                  15
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47                    20                  25                  30
48        Leu Glu Gln Lys Lys Gln Asp Arg Gly Glu Leu Lys Leu Leu Leu Leu
49                    35                  40                  45
50        Gly Pro Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln Met Arg Ile
51            50                  55                  60
52        Ile His Gly Ala Gly Tyr Ser Glu Glu Glu Arg Lys Gly Phe Arg Pro
53        65                  70                  75                  80
54        Leu Val Tyr Gln Asn Ile Phe Val Ser Met Arg Ala Met Ile Glu Ala
55                    85                  90                  95
56        Met Glu Arg Leu Gln Ile Pro Phe Ser Arg Pro Glu Ser Lys His His
57                    100                 105                 110
58        Ala Ser Leu Val Met Ser Gln Asp Pro Tyr Lys Val Thr Thr Phe Glu
59                    115                 120                 125
60        Lys Arg Tyr Ala Ala Ala Met Gln Trp Leu Trp Arg Asp Ala Gly Ile
61            130                 135                 140
62        Arg Ala Cys Tyr Glu Arg Arg Arg Glu Phe His Leu Leu Asp Ser Ala
63        145                 150                 155                 160
64        Val Tyr Tyr Leu Ser His Leu Glu Arg Ile Thr Glu Glu Gly Tyr Val
65                    165                 170                 175
66        Pro Thr Ala Gln Asp Val Leu Arg Ser Arg Met Pro Thr Thr Gly Ile
67                    180                 185                 190
68        Asn Glu Tyr Cys Phe Ser Val Gln Lys Thr Asn Leu Arg Ile Val Asp
69                    195                 200                 205
70        Val Gly Gly Gln Lys Ser Glu Arg Lys Lys Trp Ile His Cys Phe Glu
71            210                 215                 220
72        Asn Val Ile Ala Leu Ile Tyr Leu Ala Ser Leu Ser Glu Tyr Asp Gln
73        225                 230                 235                 240
74        Cys Leu Glu Glu Asn Asn Gln Glu Asn Arg Met Lys Glu Ser Leu Ala
75                    245                 250                 255
76        Leu Phe Gly Thr Ile Leu Glu Leu Pro Trp Phe Lys Ser Thr Ser Val
77                    260                 265                 270
78        Ile Leu Phe Leu Asn Lys Thr Asp Ile Leu Glu Glu Lys Ile Pro Thr
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81            290                 295                 300
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83        305                 310                 315                 320
84        Thr Gly Cys Val Asp Gly Pro Glu Gly Ser Asn Leu Lys Lys Glu Asp
85                    325                 330                 335
86        Lys Glu Ile Tyr Ser His Met Thr Cys Ala Thr Asp Thr Gln Asn Val
87                    340                 345                 350
88        Lys Phe Val Phe Asp Ala Val Thr Asp Ile Ile Ile Lys Glu Asn Leu
89                    355                 360                 365
90        Lys Asp Cys Gly Leu Phe
91            370
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VERIFICATION SUMMARY   DATE: 08/17/2006
PATENT APPLICATION: **US/10/538,038B**   TIME: 08:59:52

Input Set : **A:\10530038.raw.txt**
Output Set: **N:\CRF4\08172006\J538038B.raw**

L:4 M:270 C: Current Application Number differs, Wrong Format

STATISTICS SUMMARY   DATE: 08/17/2006
PATENT APPLICATION: **US/10/538,038B**   TIME: 08:59:52

Input Set : **A:\10530038.raw.txt**
Output Set: **N:\CRF4\08172006\J538038B.raw**

Application Serial Number: US/10/538,038B
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 06-08-2005
Art Unit: IFWO
Software Application: OTHER
Total Number of Sequences: 2
Total Nucleotides: 1122
Total Amino Acids: 374
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 1

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

Raw Sequence Listing before editing, for reference only

IFWO

RAW SEQUENCE LISTING   DATE: 08/08/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:40:05

        Input Set : A:\102790-135 sequence listing.txt
        Output Set: N:\CRF4\08082006\J538038B.raw

       3 <110> APPLICANT: Givaudan SA
       5 <120> TITLE OF INVENTION: G-Proteins
       7 <130> FILE REFERENCE: 30069PCT
C-->   9 <140> CURRENT APPLICATION NUMBER: US/10/538,038B
C-->   9 <141> CURRENT FILING DATE: 2005-06-08
       9 <150> PRIOR APPLICATION NUMBER: US 60/434,790
      11 <151> PRIOR FILING DATE: 2002-12-18
      13 <160> NUMBER OF SEQ ID NOS: 2
      15 <170> SOFTWARE: Patentln version 3.1

Does Not Comply
Corrected Diskette Needed
(pg -1)

ERRORED SEQUENCES

      17 <210> SEQ ID NO: 1
      19 <211> LENGTH: 1122
      21 <212> TYPE: DNA
      23 <213> ORGANISM: Homo sapiens   → Inserted <220?
      25 <221> NAME/KEY: CDS
      27 <222> LOCATION: (1)..(1122)
E--> 30 <400> SEQUENCE: 1
      32 atggcccgct cgctgacctg gcgctgctgc ccctggtgcc tgacggagga tgagaaggcc   60
      34 gccgcccggg tggaccagga gatcaacagg atcctcttgg agcagaagaa gcaggaccgc   120
      36 ggggagctga agctgctgct tttgggccca ggcgagagcg ggaagagcac cttcatcaag   180
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VERIFICATION SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: **US/10/538,038B**   TIME: 08:40:06

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Output Set: **N:\CRF4\08082006\J538038B.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:1